

Fig 00: A fractal approach to industry sector analysis

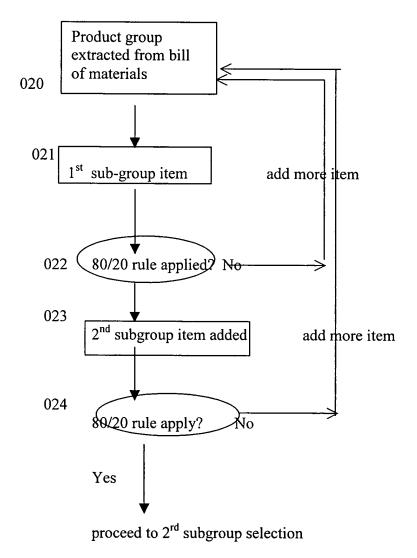


Fig. 02- Application of Pareto's Distribution Law

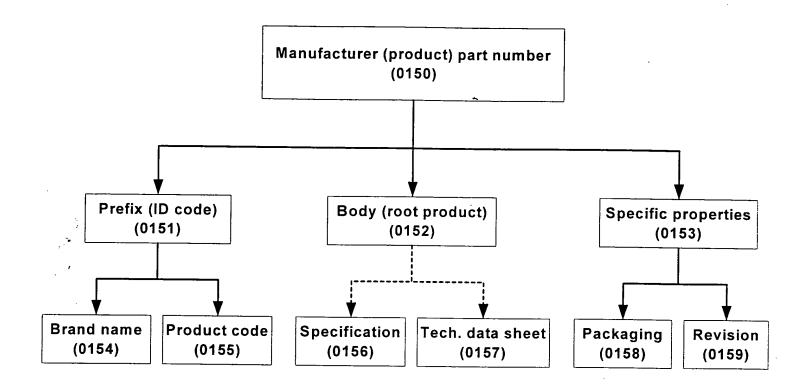


Fig 015: Breakdown of part number - industry standard

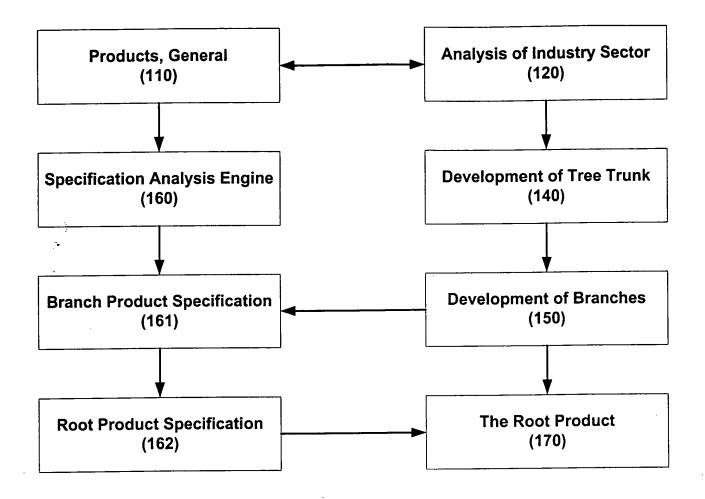


Fig 3: Root Extraction Process 300

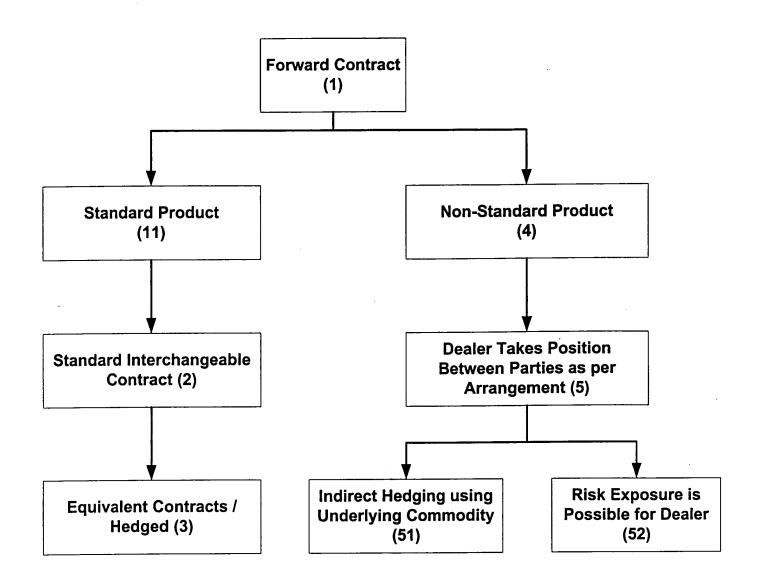


Fig 4: Existing Forwards Platform 100

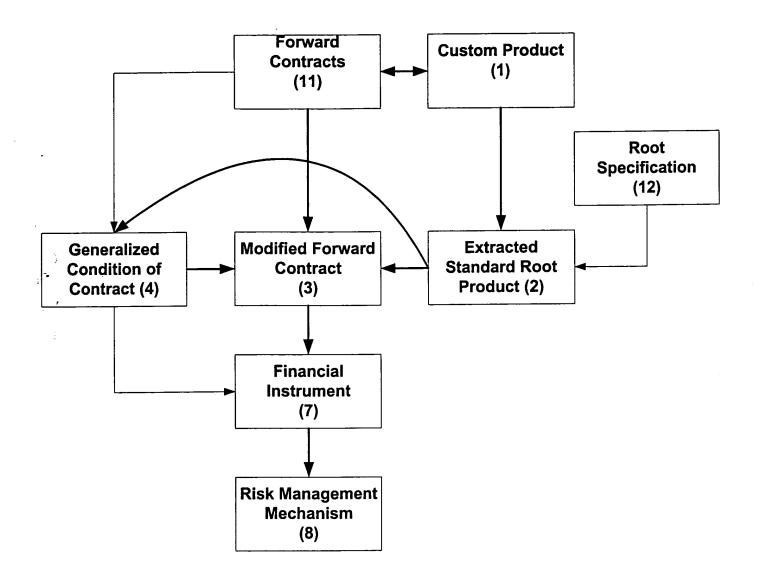


Fig 5: New Platform 200

Item 1  Item 2	Product Classification  Delivery Frequency	a) Name (any) b) Description (any) c) Unit (no, pounds, ton, gallon, ounce) d) lot size(10,100,200, 500, 1000,10000,20000, 50000) e) code (any) a) date: 30 day, 60 day, 90 day
10111 2	Zonver, resquency	b) date: calendar months c) notice dates: T-x1, T-x2
Item 3	Trading Rules	a) marketplace (hybrid, futures, spot) b) all months c) hours (8am-2pm EST), (9am-3pm PST), (11am-5pm GMT), (9am-3pm pacific) d) week begins (Sunday, Monday) e) week ends (Friday)
Item-4	Pricing Mechanism	<ul> <li>a) minimum fluctuation (1/100. 1/20, 1/10 of currency)</li> <li>b) daily limit (percentage of nominal contract value;5%, 6%,7%,8%,9%,10%),</li> <li>c) currency (usd, usd &amp; euro, usd &amp; JPY, usd &amp; local currency)</li> </ul>
Item-5	Financial Clearing	via Fiduciary account residing at commercial bank
Item-6	Settlement Procedure	a) cash offset following financial clearing b) physical delivery made against cash payment

Fig. 6-Generalized Contract Design 600

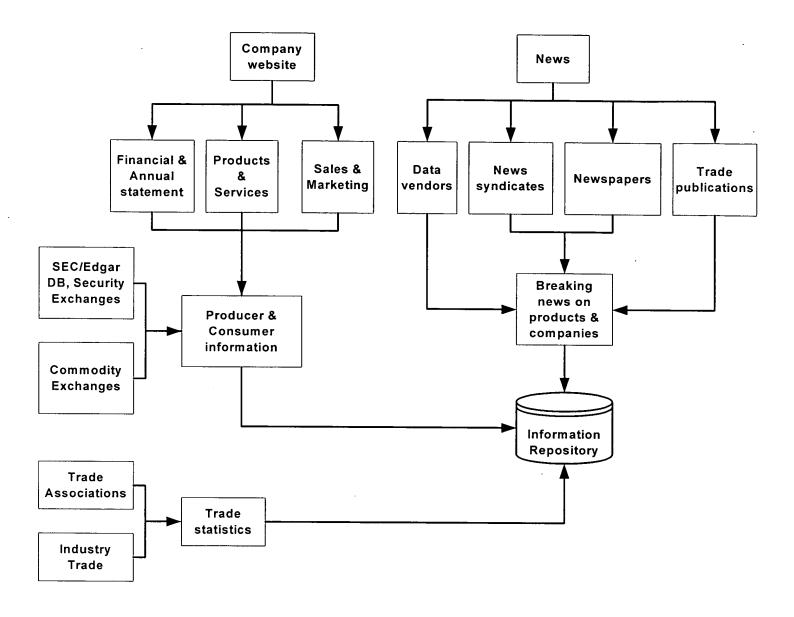
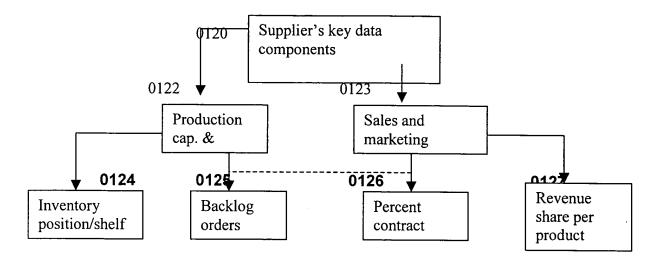
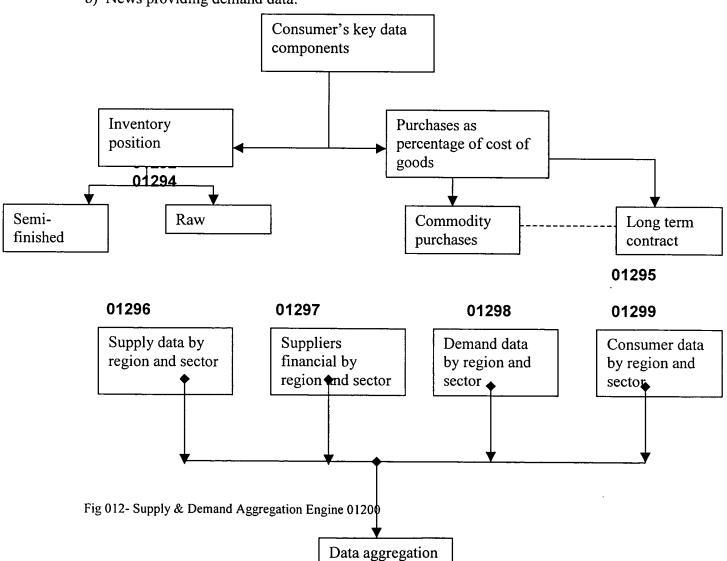


Fig 0112: Public Data Collection

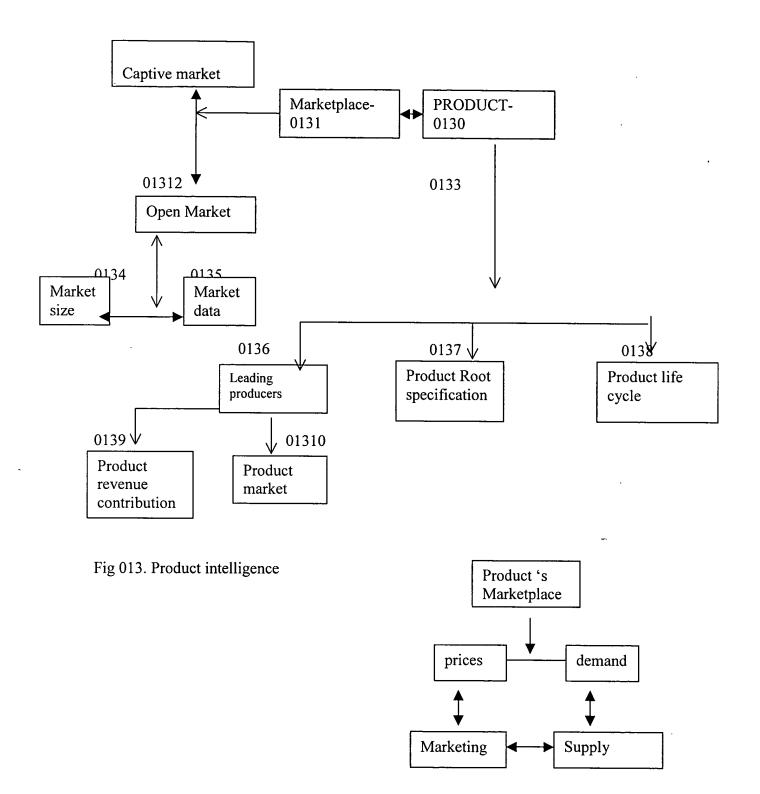
### a) News providing supply data:



#### b) News providing demand data:



engine



Information	Primary	Secondary	Fee-based
	source	source	services
Product line	Company's	Distributors	
	website	website	
Key	Company's	suppliers	Market
products	financial	websites	researchers
Product	Company's	Trade	Market
market share	report	associations	researchers
Product	Open market	Supplier	Daily survey
prices		website	

TABLE 11- Sources of Data

Industry sector	public companies	Market size in 1000	Sub- Sector targeted	Average growth rate	Average Volatility
Electronics	800	450,000,000	Semicon	15%	50%
Chemical	300	350,000,000	plastics	8%	10%
Electrical	56	320,000,000	wholesale	4%	15%

Table 12- Example of aggregate marketing data

company	Last quarter/ projected sales	Global market share	Comm 1	Comm 2	Contributio n to sales/cost	Currency translation \$1,000
Micron	700,000,000	18%, 2001	memories	-	of goods 80%	400,000
Dell	8.5 billion		memories	interconnect	35%	2,000,000

Table. 13- Example of producer and consumer of same product

## 1. FOR EACH SECTOR

Industry	Public	Market size	Average	Average	]
	companies		growth rate	volatility	

# 2. FOR EACH PRODUCER/CONSUMER ENTITY

Entity	Last reported revenue	Last reported cost of sales	% commodity related market share
F== 1:1		<u> </u>	
Entity	Commodity I , % of revenue	Commodity 2, % of revenue	Commodity 3, % of revenue
Entity	Currency 1 % of	Currency 2 % of	Currency 2 9/ of

Entity	Currency 1, % of	Currency 2, % of	Currency 3, % of
	transaction	transaction	transaction

## 3. FOR EACH PRODUCT

Product	Product	Spot closing	Spot closing	Spot closing
description	symbol	in USD	in Jyen	in Euro

Product	Product symbol	30 day forward	90 day forward
description		closing price	closing price

Product	Product symbol	Total available	Relative market
description		market	strength

Tables 14- The Database